

0214269560 KILLIAN CREEK NEAR MARIPOSA, NC

LOCATION.--Lat 35°26'03", long 81°01'48", Lincoln County, Hydrologic Unit 03050101, on right bank, 1,000 ft upstream from Forney Creek, 1.5 mi northwest of Lowesville, 1.7 mi upstream from bridge on Secondary Road 1511, and 2.4 mi northeast of Mariposa.

DRAINAGE AREA.--36.4 mi².

PERIOD OF RECORD.-- October 1990 to June 1993, December 1994 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 643.085 ft above NGVD of 1929 (levels by Duke Power Co). Satellite telemetry at station.

REMARKS.--Records poor. Station was established to study low-flow conditions for Duke Power Co., no structure exists near the site for measuring high-stage flow; therefore, a peak flow was not determined to coincide with the peak stage for the year. Missing values on the daily values table are days when the flow exceeded the rating. Minimum discharge for current water year also occurred Oct. 7, 8, 9. Minimum discharges may be affected by diversions by Duke Power. No flow also occurred Aug. 14, Sept. 10-13, 2002.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	9.3	11	32	33	56	52	45	---	47	56	30
2	2.8	8.9	11	30	28	68	46	45	72	---	37	23
3	2.4	8.6	11	36	26	53	42	63	---	---	36	21
4	1.7	8.6	11	31	27	44	39	58	---	72	34	---
5	1.6	9.7	---	28	25	41	41	60	---	60	34	---
6	1.3	31	69	26	24	---	38	---	96	55	33	25
7	1.2	16	54	25	42	---	---	---	---	52	33	25
8	1.3	12	38	25	35	55	---	81	---	42	34	24
9	1.4	11	30	24	30	47	---	62	---	32	30	22
10	1.7	10	27	23	28	41	---	53	---	34	29	21
11	---	11	---	21	26	38	---	50	91	38	30	20
12	17	---	57	20	25	35	---	47	81	40	27	19
13	18	---	---	20	23	34	79	43	74	---	29	19
14	14	27	---	20	24	32	65	41	68	48	31	18
15	8.5	21	50	19	29	31	57	42	66	37	32	18
16	39	---	38	19	28	---	53	58	---	35	27	18
17	19	---	32	20	28	69	49	45	---	37	---	17
18	10	43	28	e20	33	54	---	48	73	33	48	16
19	8.3	29	26	e19	46	---	---	---	70	35	31	16
20	7.2	24	50	e18	36	---	---	49	62	32	29	15
21	7.0	21	38	e19	32	---	90	45	58	32	27	15
22	7.1	19	30	e18	---	81	78	---	55	36	26	17
23	7.6	16	27	e18	---	61	65	---	53	37	26	---
24	6.9	15	---	e18	67	52	59	---	50	36	27	35
25	6.6	14	---	e19	50	47	57	---	49	30	25	27
26	7.4	13	73	e19	46	44	70	---	47	28	24	24
27	6.8	14	51	e20	81	42	58	---	45	28	22	23
28	8.4	13	43	e20	79	41	51	---	63	27	21	33
29	16	12	38	22	---	41	49	84	50	---	21	23
30	15	12	34	47	---	---	47	72	46	---	20	21
31	11	---	32	44	---	72	---	---	---	38	27	---

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 1991 - 2003[@]

LOWEST DAILY MEAN
MAXIMUM PEAK STAGE
INSTANTANEOUS LOW FLOW

0.00 Aug 13

1.2 Oct 7

0.00 Aug 13, 2002

12.99 Mar 20

15.25 Apr 29, 1997

1.2* Oct 6

0.00* Aug 13, 2002

e. Estimated.

[@] See PERIOD OF RECORD.

* See REMARKS.

